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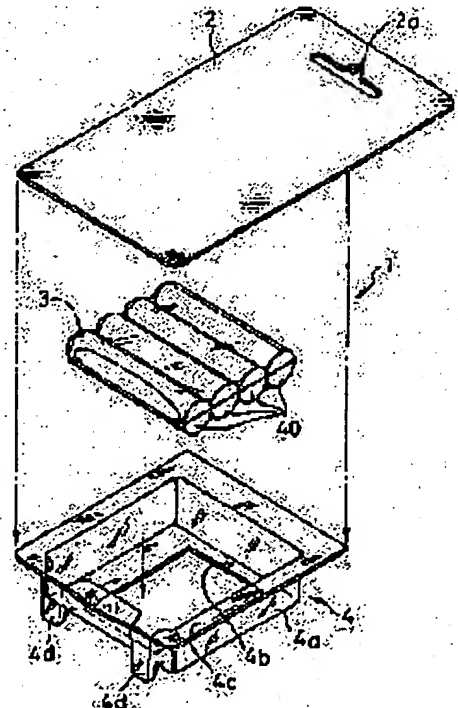
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(54) COMMODITY PACKAGE AND ITS PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To always visually and clearly confirm the kind, grade, manufacture's name of an article, by holding the shrink-packed part in which the article is shrink-packed with a substantially transparent member, by a holding body provided with a recess containing the packed part and a collar stuck to a base board, and the base board.

SOLUTION: An indicated part (face side) on which the kind, grade, manufacture's name, etc., of cells 40 are shown for instance is detected by a photoelectric tube-bathing or the like. The cells are shrink-packed tight in the state the face sides are arrayed and fixed together to form a packaging part 3. After the packaging part 3 has been manually contained in the recess 4a of a holder 4 turned downward so that the face side is arranged at the front face of a cell package 1, the



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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the goods package which holds the small article of a cell and others and is exhibited for a sale etc., and its manufacture approach.

[0002]

[Description of the Prior Art] Blister packaging is widely used for the reasons of the display effectiveness in a shop front, low cost, etc. these days as a goods package which holds general cargo articles for days, such as a cell and a washing-its-face tool, or processing food. In blister packaging, the impression was formed in the transparent synthetic-resin sheet by heat formation etc., and the article is held in this impression. By pasting up the periphery of an impression on pasteboard, such as cardboard, opening of an impression is plugged up and the article is held.

[0003] As an example of the conventional goods package, the cell package which held the cell is explained below with reference to drawing 16 and drawing 17. Drawing 16 is the front view showing the conventional cell package, and drawing 17 is the decomposition perspective view of the conventional cell package shown in drawing 16. In drawing 16, the conventional cell package 51 consists of transparent supporters 53 made from a synthetic-resin sheet which hold the pasteboard 52 made of cardboard, and plurality 40, for example, four cells. Pasteboard 52 has pore 52a, in order to hang the cell package 51 concerned by a pin etc. in the shop etc. Moreover, perforation 52b is prepared in pasteboard 52 so that the soffit edge of pasteboard 52 and opening of the below-mentioned impression 53a may be surrounded. By separating opening section 52c (drawing 17) divided on this perforation 52b and the soffit edge of pasteboard 52 from pasteboard 52, the cell package 51 is opened and a cell 40 can be picked out from the cell package 51 (it mentions later for details). A supporter 53 is formed in the surroundings of opening of impression 53a which arranges a cell 40 in a horizontal position and is held in a single tier, and impression 53a, and consists of flange-like section 53b for adhesion pasted up on pasteboard 52, and leg 53c of the couple prepared in the soffit of impression 53a. Impression 53a and leg 53c are formed by carrying out hot forming of the sheet-like synthetic resin using metal mold. In addition, the appearance of impression 53a is greatly formed a little rather than the appearance according to the appearance of a cell 40, in order to improve the hold workability of a cell 40. Moreover, the base of leg 53c is in agreement with the soffit edge of pasteboard 52. By this, the cell package 51 can be stood vertically and can be exhibited with the base of leg 53c, and the soffit edge of pasteboard 52.

[0004] As shown in drawing 17, after the cell package 51 holds one cell 40 at a time in the supporter 53 placed upside down manually at impression 53a, it is formed by pasting up pasteboard 52 and flange-like section 53b with the hotpress using sensible-heat pressure-sensitive adhesives. Moreover, the facing activity which turns four cells 40 in the same direction, respectively, and is held in impression 53a in the case of hold of a cell 40 is done. That is, generally the part (the following, a "face side", and abbreviated name) which displayed the class of cell 40, grade, a manufacturer name, etc. is prepared in the periphery front face of a cell 40. It is arranged in impression 53a, each cell 40 doing a facing activity so that a face

side may go to the front face of the cell package 51, respectively. As mentioned above, opening section 52c divided on perforation 52b and the soffit edge of pasteboard 52 is prepared in pasteboard 52. Opening section 52c holds a cell 40 substantially between impression 53a. Opening section 52c is greatly formed a little rather than opening of impression 53a. Moreover, the soffit section of opening section 52c is pasted up on flange-like section 53b.

[0005] When a customer or a seller opens the cell package 51, a pawl etc. is inserted between the soffit edge 52c1 of opening section 52c, and flange-like section 53b. Then, the soffit section of opening section 52c pasted up on flange-like section 53b is torn off from flange-like section 53b. And a customer holds the soffit section of opening section 52c, and tears apart perforation 52b from the soffit side of pasteboard 52. Opening section 52c is separated from pasteboard 52 by this, and impression 53a carries out opening. Thus, when using the article with which the customer was held in the conventional goods package, while stripping adhesion with the soffit section of the opening section, and the flange-like section, the perforation is torn apart from the soffit side of pasteboard. By that, the opening section can be separated from pasteboard, opening of the impression can be carried out, and an article can be taken out.

[0006]

[Problem(s) to be Solved by the Invention] With the above conventional goods packages, it held the cell one [at a time] in the impression, for example, and the facing activity was also done. The hold accompanied by such a facing activity was difficult to automate, and it was carried out by the activity by the help. So, there was a trouble of taking the time amount which the hold takes for a long time. Furthermore, there was a possibility of the sweat of a finger etc. having adhered to a cell during the hold, and causing problems, such as rusting. Moreover, the appearance of an impression is formed according to the appearance of a cell more greatly than the appearance. So, after holding a cell in a goods (cell) package, a cell rotates in an impression according to an individual by the oscillation under carriage etc. Therefore, a possibility of producing disadvantage was in the check by looking of the class of cell, grade, a manufacturer name, etc. for being able to check no face sides by looking or becoming irregular [the sense of each face side] etc. As preventive measures of a revolution of such a cell, it is shown that JP,6-79476,B prepares inside an impression two or more small projections which project toward pasteboard. That is, with the conventional cell package, on both sides of the cell, it fixed by the small projection, and has turned to the front-face side. However, with the conventional cell package, the hold workability of a cell fell and there was a trouble of lengthening the working hours. Furthermore, the configuration of an impression needed to be made complicated and high process tolerance was required in shaping of a supporter.

[0007] Furthermore, with the conventional goods package, the opening initiation section of the soffit section of the opening section, i.e., the opening section, has pasted the flange-like section with adhesives. So, when a goods package was opened, the pawl etc. needed to be inserted between the opening initiation section and the flange-like section, and adhesion with the opening initiation section and the flange-like section needed to be torn off. Therefore, there was a trouble that the opening activity of a goods package took time amount and time and effort. Furthermore, since the opening section was formed more greatly than opening of an impression, after opening a goods package, it was difficult [it] to keep the cell of an intact condition with a goods package. For example, when a goods package was hung using a pore, there was a possibility that the cell concerned might fall from an impression. Moreover, since each cell is held without carrying out a seal, the sweat of a hand etc. may stick and carry out rusting to the terminal area of the cell which is not used etc. For this reason, there was a trouble that the quality of the remaining cell deteriorated. Furthermore, if a used article should have been inserted into the goods package under display sale with a mischief etc., this was impossible for decision of being used. Thus, after opening the conventional goods package, there was a trouble that it could not guarantee that the article which the storage nature of an article decreased and remains into it again is a new article.

[0008] This invention is made in order to solve the above troubles, and it aims at offering the goods package which can perform hold including the facing activity of articles, such as a cell, easily, and its

manufacture approach. Moreover, this invention aims at a customer etc. offering the goods package which can always check the class of article, grade, a manufacturer name, etc. by looking clearly, and its manufacture approach. Moreover, this invention aims at offering the goods package which tears apart the perforation prepared in pasteboard and can do an opening activity easily, and its manufacture approach, without tearing off adhesion with the opening section and the flange-like section using a pawl etc. Moreover, this invention aims at offering the goods package which can keep an article, and its manufacture approach, without the storage nature of an article decreasing, also after opening a goods package.

[0009]

[Means for Solving the Problem] The goods package or its manufacture approach of this invention constituted the package section from an article which carried out the shrink package, and has held the package section in the supporter. Thus, by constituting, most hold of an article is automatable. Furthermore, also after holding an article in a goods package, disadvantage is not produced in a check by looking of the class of article, grade, a manufacturer name, etc., without an article rotating.

[0010]

[Embodiment of the Invention] The goods package of this invention consists of transparent members substantially with pasteboard, has the package section which carried out the shrink package of the article, the impression in which said package section is held, and the flange-like section pasted up on said pasteboard, and possesses the supporter which holds said package section between said pasteboard. With the goods package constituted as mentioned above, the package section was constituted from an article which carried out the shrink package, and the package section is held in the supporter. For this reason, most hold of an article is automated and it is made an easy thing. Moreover, since the shrink package of the article is carried out, also after holding an article in a goods package, disadvantage is not produced in a check by looking of the class of article, grade, a manufacturer name, etc., without an article rotating.

[0011] Furthermore, the goods package of other invention is arranging and carrying out the shrink package of the face side of said article in the predetermined direction in said package section. With the goods package constituted as mentioned above, since the face side of an article is arranged in the predetermined direction in case a shrink package is performed, a customer can always check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0012] Furthermore, the goods package of other invention holds said two or more package sections to said supporter. With the goods package constituted as mentioned above, since two or more package sections are held by the supporter, the article which is not used will be in a condition [being packed in the package section], and can be recognized to be easily intact, and does not cause deterioration of the quality of the article concerned.

[0013] Furthermore, the goods package of other invention has prepared the window part in said impression. With the goods package constituted as mentioned above, since the window part is prepared in the impression, the area of a wrap impression can be reduced for the periphery part of an article, and a customer can always check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0014] Furthermore, the goods package of other invention has prepared the clinch section which goes to a way among said impressions in the periphery of said window part. A window part can be enlarged with the goods package constituted as mentioned above, improving the reinforcement of an impression, since the clinch section is prepared in the periphery of a window part.

[0015] Furthermore, said window part forms the goods package of other invention the shape of a rectangle, and in the shape of an ellipse. With the goods package constituted as mentioned above, since the window part formed the shape of a rectangle and in the shape of an ellipse is prepared in the impression, the area of a wrap impression can be reduced for the periphery part of an article, and a customer can always check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0016] Furthermore, the goods package of other invention was separated from said impression in said flange-like section, and provides the section so that between the edge of said jointing and said window parts may be connected. With the goods package constituted as mentioned above, since it is prepared in

said impression and said jointing so that the separation section may connect between the edge of jointing, and window parts, the package section which packed the article can be taken out easily.

[0017] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter It is prepared between said perforations of two articles at said flange-like section, and the notch of the form which carries out opening toward said end edge of said pasteboard is prepared in said end edge of said pasteboard. With the goods package constituted as mentioned above, a perforation can be torn apart only by applying the force to a notch and the pasteboard which counters, and the opening activity of a goods package is done an easy thing.

[0018] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter It is prepared between said perforations of two articles at said flange-like section, and the cutting-into-half section for notching of the form which carries out opening toward said end edge is prepared in said end edge of said pasteboard. With the goods package constituted as mentioned above, a perforation can be torn apart only by applying the force to the cutting-into-half section for notching and the cutting-into-half section concerned, and the pasteboard that counters, and the opening activity of a goods package is done an easy thing.

[0019] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter It is prepared between said perforations of two articles at said flange-like section, and the notch of the shape of a perforation of the form which carries out opening toward said end edge is prepared in said end edge of said pasteboard. With the goods package constituted as mentioned above, a perforation can be torn apart only by applying the force to a perforation-like notch and the notch concerned, and the pasteboard that counters, and the opening activity of a goods package is done an easy thing.

[0020] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard was prepared, and said pasteboard and said flange-like section are pasted up in the field of the outside of said perforation of two articles. With the goods package constituted as mentioned above, a perforation can be torn apart only by applying the force to the pasteboard inside the perforation of two articles, and the opening activity of a goods package is done an easy thing.

[0021] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared, and spacing of said perforation of two articles is smaller than the aperture width of said opening. With the goods package constituted as mentioned above, after opening a goods package by cutting off pasteboard along with a perforation, an article can be kept between an impression and the handle part of the pasteboard cut off partially.

[0022] Furthermore, the impression in which the goods package of other invention holds pasteboard and an article, It has the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which kept predetermined spacing mutually toward the other end edge from the end edge, and was formed in said

pasteboard is prepared, and at least two cutting-into-half sections are prepared in said pasteboard between the end edge of said pasteboard, and the other end edge of said pasteboard so that said perforation of two articles may be connected. In the goods package constituted as mentioned above, in case pasteboard is cut off along with a perforation, the pasteboard cut off is divided into two parts in the thickness direction in the part under the flange-like section between at least two cutting-into-half sections. For this reason, pasteboard can be cut off easily and the opening activity of a cell package is done an easy thing.

[0023] Furthermore, one side of said at least two cutting-into-half sections is prepared between the end edge of said pasteboard, and said flange-like section, and, as for the goods package of other invention, another side of said at least two cutting-into-half sections is prepared inside said flange-like section. In the goods package constituted as mentioned above, in case pasteboard is cut off along with a perforation, the pasteboard cut off is divided into two parts in the thickness direction in the part under the flange-like section between at least two cutting-into-half sections. Under the present circumstances, the pasteboard cut off can be easily divided into two parts by the cutting-into-half section inside the flange-like section. Consequently, pasteboard can be cut off still more easily and the opening activity of a cell package is done an easy thing.

[0024] The supporter made of synthetic resin fabricated so that it might have the flange-like section for adhesion which the manufacture approach of the goods package of this invention is formed in the surroundings of opening of the impression in which pasteboard and an article are held, and said impression, and is pasted up on said pasteboard While being the manufacture approach of the goods package mutually pasted up in said flange-like section and forming said impression by pressing and heating metal mold on a synthetic-resin sheet The process which penetrates said synthetic-resin sheet with the cutting edge of the shape of radii prepared in said metal mold, and forms a radii-like break in said synthetic-resin sheet is provided. By the manufacture approach of the goods package constituted as mentioned above, in case an impression is formed, a radii-like break is formed in a synthetic-resin sheet with a radii-like cutting edge. By preparing the break of the shape of such radii, an opening activity can form an easy goods package.

[0025]

[Example] Hereafter, the desirable example of the goods package of this invention is explained with reference to a drawing. In addition, the cell package which held the cell is explained as an example of the goods package of this invention.

[0026] <<example 1>> Drawing 1 is the front view of the cell package which is the example 1 of this invention, and drawing 2 is the decomposition perspective view of the package of this cell. In drawing 1, the cell package 1 consists of pasteboard 2 made of cardboard, plurality 3, for example, the package section made of transparent synthetic resin which carried out and carried out the shrink package of the four cells 40 to parallel mutually, and a supporter 4 that holds and holds the package section 3 between pasteboard 2. Pasteboard 2 has pore 2a, in order to hang the cell package 1 concerned in the shop. In addition, as everyone knows, the shrink package which forms the package section 3 is fixed mutually, and seals two or more cells 40 which generally retail simultaneously, such as four etc. pieces. Therefore, a shrink package is not opened in a sale and deterioration of those quality does not arise. Moreover, the process of shrink packing is directly linked with the trailer of the production line of a cell 40. At this trailer, the cell 40 is put in order and conveyed by the single tier with the longitudinal position which turned the negative electrode down. Furthermore, in this trailer, the part (the following, a "face side", and abbreviated name) as which the cell 40 displayed the class of cell 40, grade, a manufacturer name, etc. is detected by photoelectric-tube BESHINGU etc. And each face side is turned in the conveyance direction of a cell 40, and the direction of 1 of a right-angled direction, respectively, and is conveyed. So, in the package section 3, after each face side has gathered, the shrink package of the four cells 40 is carried out. Consequently, in case the below-mentioned package section 3 is held in impression 4a, the facing activity which turns each face side of a cell 40 to the front face of the cell package 1 is done easy. By that, hold of a cell 40 can be made quick. Moreover, after each face side has gathered, the shrink package of the cell 40 is carried out strongly, and each other is fixed. After that holds in the cell package

1, a cell 40 does not rotate by it. Consequently, disadvantage is not produced in a check by looking of the class of cell, grade, a manufacturer name, etc.

[0027] A supporter 4 consists of 4d of the legs of the couple which was prepared in the surroundings of impression 4a which holds the package section 3, window part 4b which carried out opening of the impression 4a to the shape of a rectangle with the predetermined dimension, and impression 4a, and was prepared in the soffit of flange-like section 4c for adhesion pasted up on pasteboard 2, and impression 4a. In addition, the appearance of impression 4a is greatly formed a little rather than the appearance of the package section 3, in order to improve the hold workability of the package section 3. Moreover, window part 4b is prepared in the front-face side of the cell package 1. Consequently, the area of the wrap supporter 4 can be reduced for the package section 3. Therefore, a customer can always check the class of cell, grade, a manufacturer name, etc. by looking clearly. Moreover, the base of 4d of legs is in agreement with the soffit edge of pasteboard 2. So, the cell package 1 can be exhibited in the condition of having stood vertically, by the base of 4d of legs, and the soffit edge of pasteboard 2.

[0028] As shown in drawing 2, after the cell package 1 holds the package section 3 in impression 4a manually so that a face side may come for the attaching part 4 placed upside down to the front face of the cell package 1, it is formed by pasting up pasteboard 2 and flange-like section 4c with the hotpress using sensible-heat pressure-sensitive adhesives. In addition, although this example explained what made four cells 40 the horizontal position, and was held and held with the cell package 1 as shown in drawing 1, four cells 40 may be made into a longitudinal position, and you may hold and hold with the cell package 1. Moreover, this example showed the configuration which arranges each face side of four cells 40. However, it is good also as a configuration which displays the class of cell 40, grade, a manufacturer name, etc. apart from this combining the periphery front face of four cells 40 arranged at the front-face side of the cell package 1.

[0029] <<example 2>> Drawing 3 is the decomposition perspective view showing the cell package which is the example 2 of this invention. In the configuration of the cell package 1, the configuration of those other than the package section is completely the same as the thing of an example 1. So, those duplicate explanation is omitted. The difference from the example 1 of this example is having used two package sections 3' which carried out the shrink package of the two cells 40 instead of the package section 3 which carried out the shrink package of the four cells 40. That is, as shown in drawing 3, two package sections 3' is arranged within impression 4a at two steps of upper and lower sides.

Consequently, what is necessary is just to open one of package section 3' among two package sections 3', in using only two or less cells 40. The quality of the cell 40 which is not used is maintainable with this. Moreover, it can be easily recognized as the cell 40 concerned being intact. Furthermore, the shrink package of the one cell 40 can be carried out, and the package section can also be constituted.

[0030] <<example 3>> (a) of drawing 4 is the front view showing the supporter which is the example 3 of this invention, and (b) of drawing 4 is the sectional view which took the cross section by the IVb-IVb line of (a) of drawing 4. Drawing 5 is the decomposition perspective view showing the cell package which is the example 3 of this invention. In the configuration of the cell package 1, the configuration of those other than a supporter is completely the same as the thing of an example 1. So, those duplicate explanation is omitted. The difference from the example 1 of this example is having prepared section 4e in impression 4a by return. That is, as shown in (a) of drawing 4, and (b) of drawing 4 R> 4, clinch section 4e is formed by turning up the point of impression 4a of the periphery of window part 4b toward the inside of impression 4a from the front-face side of the cell package 1. Consequently, clinch section 4e is formed in the periphery of window part 4b. By that, the reinforcement by the side of the transverse plane of impression 4a can be improved. As a result of improving the reinforcement, compared with the thing of an example 1, opening area of window part 4b can be enlarged. Moreover, the head of clinch section 4e, i.e., the cut end of window part 4b, is going inside impression 4a of the cell package 1. For this reason, connection of the finger in a cut end etc. is lost and the laceration of the finger by the cut end etc. can be prevented. Moreover, as shown in drawing 5 R> 5, when the package section 3 is held in impression 4a, the package section 3 is held and held between section 4e by return with the pasteboard section 2 so that the outside front face of the package section 3 may get at the head of section 4e by

return. Consequently, only the part of the distance of the head 41 of section 4e and window part 4b is held inside from the front-face side of the cell package 1 by return [section / 3 / package / side / 31 / the / pack]. It can prevent that the shrink package of the package section 3 is broken with a pawl etc. by this compared with the thing of an example 1.

[0031] <<example 4>> Drawing 6 is the front view showing the supporter of the cell package which is the example 4 of this invention. In the configuration of the cell package 1, the configuration of those other than a window part is completely the same as the thing of an example 1. So, those duplicate explanation is omitted. The difference from the example 1 of this example is having formed the configuration of 4f of window parts in the shape of an ellipse. That is, as shown in drawing 6, opening of the impression 4a is carried out to the shape of an ellipse by the front-face side of the cell package 1, and 4f of window parts is formed. Thus, in this example, since the edge of 4f of window parts is a curve-like, compared with the thing of an example 1, the crack initiation from the corner of window part 4b can be reduced. Consequently, the laceration of a finger can be reduced.

[0032] <<example 5>> (a) of drawing 7 is the front view showing the supporter of the cell package which is the example 4 of this invention, and (b) of drawing 7 is the expanded sectional view which took the cross section by the VIIb-VIIb line of (a) of drawing 7. In the configuration of the cell package 1, the configuration of those other than a supporter is completely the same as the thing of an example 1. So, those explanation is omitted. The difference from the example 1 of this example set predetermined spacing, prepared 2, and separates 1 or 4g of 4g of two cutting-into-half sections which have detailed width of face, and 4g of sections is the thing of drawing 7 prepared in impression 4a and flange-like section 4c in the upper part and the lower part, respectively. That is, as shown in (a) of drawing 7, 2 [with ag / 1 or 4g / of 4g / of cutting-into-half sections] is prepared in impression 4a and flange-like section 4c so that between the upper limb of flange-like section 4c and window part 4b may be connected. As 2 is shown in (b) of drawing 7, when only the thickness like the one half of the thickness of a supporter 4 cuts and lacks a supporter 4, 4g [of these cutting-into-half sections] 1 or 4g is formed. Consequently, the package section 3 (drawing 2) can be easily taken out by pulling 3 4g of lobes of 4g of separation sections, and separating from a supporter 4. In addition, 2 [with ag / 1 or 4g / of 4g / of cutting-into-half sections] is prepared in the front face of a supporter 4, and one field of on the back. Furthermore, 2 [with ag / 1 or 4g / of 4g / of cutting-into-half sections] may be formed in the shape of a perforation.

[0033] <<example 6>> Drawing 8 is the front view showing the cell package which is the example 6 of this invention, and drawing 9 is the decomposition perspective view of the cell package shown in drawing 8. In the configuration of the cell package 1, the configuration of those other than pasteboard and a supporter is the same as that of the thing of an example 1. So, those duplicate explanation is omitted. The primary difference with the example 1 of this example is having prepared perforation 2b of a predetermined configuration in pasteboard 2, and having prepared 4h of notches in flange-like section 4c of the supporter 4 which covered the whole surface of pasteboard 2. That is, in drawing 8, the supporter 4 covered the whole surface of pasteboard 2, and pasteboard 2 and flange-like section 4c of a supporter 4 have pasted up. Moreover, while 4h of notches is 4d of legs of a couple, it is prepared in flange-like section 4c. 4h of this notch is formed by establishing the cutting plane of the shape of radii which carries out opening toward the soffit edge of pasteboard 2 in flange-like section 4c. Furthermore, 4h of notches is arranged between the below-mentioned 1st, 2nd perforation 2b1, and 2b2 (drawing 9). Moreover, in order to hang the cell package 1 concerned in the shop, the pore 5 is formed in the cell package 1 like the thing of an example 1 at the upper bed section. After pasting up pasteboard 2 and a supporter 4, opening of this pore 5 is carried out to pasteboard 2 and a supporter 4 in one, and it is prepared. As shown in drawing 9, perforation 2b is prepared in pasteboard 2 in the predetermined configuration from the soffit edge of pasteboard 2. Opening section 2c is divided on perforation 2b and the soffit edge of pasteboard 2 by this. This opening section 2c is cut out from pasteboard 2 along with the soffit edge of pasteboard 2 to perforation 2b, when opening the cell package 1. In addition, as mentioned above, 4h of notches is arranged between the below-mentioned 1st, 2nd perforation 2b1, and 2b2. For this reason, 1st and 2nd perforation 2b1 is acted, and in case opening section 2c is separated

from pasteboard 2, it is easy to act the force on 2b2. Consequently, the opening activity of the cell package 1 is made to an easy thing.

[0034] Here, with reference to drawing 10, the concrete formation approach of 4h of notches is explained below. As shown in drawing 10, 4d of legs of above-mentioned impression 4a, window part 4b, and a couple is formed by pressing and heating two or more same metal mold (not shown) in the predetermined dimension 30, for example, a 400mmx270mm synthetic-resin sheet. Moreover, the cross section is established for the radii-like cutting edge in the above-mentioned metal mold. Of that, the cutting edge concerned penetrates the synthetic-resin sheet 30, and 4h [of radii-like breaks]' is formed in the synthetic-resin sheet 30. And a supporter 4 is placed upside down, and the package section 3 and 3' are manually held in impression 4a so that a face side may come to the front face of the cell package 1. Then, the pasteboard of the same dimension as the synthetic-resin sheet 30 is pasted up on the synthetic-resin sheet 30 with the hotpress using sensible-heat pressure-sensitive adhesives. In addition, partial arranged between 1st, 2nd perforation 2b1, and 2b2 in case of adhesion 4 of this pasteboard and synthetic-resin sheet 30 is not plastered with the above-mentioned adhesives. And by cutting the synthetic-resin sheet 30 and pasteboard, partial 4i is cut off from flange-like section 4c, and 4h (drawing 8) of notches is formed in flange-like section 4c in the part shown with the alternate long and short dash line 31 of drawing 10. In addition, the cell package 1 is formed by cutting pasteboard and the synthetic-resin sheet 30 in the part shown with a broken line 32.

[0035] In addition, it is good also as a configuration which pastes up partial 4i on pasteboard with adhesives in addition to the above-mentioned configuration of not carrying out arrival at a way of the adhesives to partial 4i. When opening the cell package 1, while partial 4i had pasted pasteboard by that, it is separated from flange-like section 4c, and 4h of notches dented in the shape of radii as a result is formed in flange-like section 4c of a soffit. Furthermore, it may replace with 4h [of breaks]', and a perforation-like notch may be prepared, or the above-mentioned cross section may put a radii-like cutting edge into the synthetic-resin sheet 30, and only the thickness like the one half of the thickness of the synthetic-resin sheet 30 may constitute 4h [of cutting-into-half sections for notching]'.

[0036] Next, perforation 2b is explained to a detail with reference to drawing 9. As shown in drawing 9, perforation 2b has the 1st mutually prepared in parallel from the soffit edge of pasteboard 2, 2nd perforation 2b1, 2b2, the 3rd that were mutually prepared in parallel, 4th perforation 2b3, 2b4, and 5th perforation 2b5 prepared in the direction parallel to the soffit edge of pasteboard 2. The end of the 3rd, 4th perforation 2b3, and 2b4 is connected to the 1st, 2nd perforation 2b1, and 2b2, respectively. The other end of the 3rd, 4th perforation 2b3, and 2b4 is connected to the end of 5th perforation 2b5, and the other end, respectively. Spacing of the 1st, 2nd perforation 2b1, and 2b2 is formed smaller than the aperture width of opening of impression 4a of a supporter 4. Moreover, similarly spacing of the 3rd, 4th perforation 2b3, and 2b4 is substantially formed with the aperture width of opening of impression 4a. So, when the cell package 1 is opened, as shown in drawing 11, it can hold between 2d of handle parts of pasteboard 2, 2d', and impression 4a which had the cell 40 of four intact conditions cut off partially.

[0037] As mentioned above, with the cell package 1 of this example, predetermined spacing is mutually set toward an other end edge from the end edge of pasteboard 2, and perforation 2b1 of two articles and 2b2 are formed in pasteboard 2. Furthermore, 4h of notches of the form which carries out opening toward the end edge of pasteboard 2 is prepared in flange-like section 4c between perforation 2b1 of two articles, and 2b2. Therefore, only by applying the force to 4h of notches, and the pasteboard 2 which counters, perforation 2b1 of two articles and 2b2 can be torn apart. Consequently, the opening activity of the cell package 1 can be done an easy thing. Moreover, as mentioned above, it is smaller than the aperture width of opening of impression 4a. For this reason, also after opening the cell package 1 by cutting off pasteboard 2 along with perforation 2b1 and 2b2, a cell 40 can be kept between impression 4a, and 2d of handle parts of the pasteboard 2 cut off partially and 2d'.

[0038] <<example 7>> Drawing 12 is the rear view showing the cell package which is the example 7 of this invention. (a) of drawing 13 is the rear view showing the condition after opening of the cell package shown in drawing 12, and (b) of drawing 13 is the side elevation showing the condition after opening of this cell package. In the configuration of the cell package 1, the configuration of those other than

pasteboard is completely the same as the thing of an example 6. So, those duplicate explanation is omitted. The difference from the example 6 of this example is having formed 1st perforation 2b1 linearly from the soffit edge of pasteboard 2 to the upper bed edge of opening of impression 4a, and having prepared closing-in section 2e from 4th perforation 2b4 to the soffit edge of pasteboard 2. That is, as shown in drawing 12, 1st perforation 2b1 is formed between the soffit edge of pasteboard 2, and the upper bed edge of opening of impression 4a (drawing 9). And 1st perforation 2b1 is connected to 5th perforation 2b5. Consequently, when the cell package 1 is opened, area of 2d of handle parts can be enlarged compared with the thing of an example 6. By that, the storage nature of the cell 40 of an intact condition can be improved. Furthermore, closing-in section 2e is prepared in 2nd perforation 2b2 and parallel on 2d [of handle parts]' between the soffit edge of pasteboard 2, and 4th perforation 2b4. Closing-in section 2e is for making 2d [of handle parts]' easy to bend to the impression 4a side, and is formed by pressing 2d [of handle parts]'. In case the cell 40 of an intact condition is held in an impression, closing-in section 2e is bent toward a way among impression 4a, when the side face of a cell 40 and the edge of 2d [of handle parts]' contact, as shown in (a) of drawing 13, and (b) of drawing 13 R> 3. By this, it can prevent that a cell 40 moves in the vertical direction of the cell package 1 during storage of a cell 40. Moreover, compared with the thing of an example 6, a cell 40 can be kept firmly. [0039] <<example 8>> Drawing 14 is the rear view showing the cell package which is the example 8 of this invention. In the configuration of the cell package 1, the configuration of those other than pasteboard is completely the same as the thing of an example 6. So, those duplicate explanation is omitted. The difference from the example 6 of this example is having extended the 1st, 2nd perforation 2b1, and 2b2, respectively from the soffit edge of pasteboard 2 to the upper bed edge of opening of impression 4a (drawing 9), without forming the 3rd, 4th perforation 2b3, and 2b4 (drawing 9). That is, as shown in drawing 14, the 1st, 2nd perforation 2b1, and 2b2 are formed by extending, respectively from the soffit edge of pasteboard 2 to the upper bed edge of opening of impression 4a. And the 1st, 2nd perforation 2b1, and 2b2 are connected to 5th perforation 2b5. Consequently, when the cell package 1 is opened, area of 2d of handle parts and 2d' can be enlarged compared with the thing of an example 6. In addition, ejection of a cell 40 and hold of the cell 40 of an intact condition are performed by enlarging temporarily 2d of handle parts of both sides, and spacing of 2d' by regarding the cell package 1 as the center section of the front face of the cell package 1 becoming the bow inside from a top, and deforming in the shape of a HE character.

[0040] <<example 9>> (a) of drawing 15 is the perspective view showing the cell package which is the example 9 of this invention, and (b) of drawing 15 R> 5 is the expanded sectional view which took the cross section by the XVb-XVb line of (a) of drawing 15. In the configuration of the cell package 1, the configuration of those other than pasteboard is the same as that of the thing of an example 6. So, those duplicate explanation is omitted. In addition, in (b) of (a) and drawing 15 of drawing 15, the package section 3 is omitted for simplification of drawing. The primary differences with the example 6 of this example are 1 and having prepared 2 [2f] in pasteboard 2 2f of 1st and 2nd cutting-into-half sections. Moreover, the size of the pasteboard is larger than the size defined by the periphery of flange-like section 4c. That is, 2f of 1st cutting-into-half section, as shown in (a) of drawing 15, and (b) of drawing 15, 1 is prepared in the location on the pasteboard 2 between the soffit edge of pasteboard 2, and the soffit edge of flange-like section 4c so that between the 1st, 2nd perforation 2b1, and 2bs2 may be connected. Similarly, 2f of 2nd cutting-into-half section, 2 is prepared on pasteboard 2 along with the common-law marriage of flange-like section 4c so that between the 3rd, 4th perforation 2b3, and 2bs4 may be connected. When opening section 2c is separated from pasteboard 2 by that, opening section 2c with af [1 or 2f] of 2f [of 1st and 2nd cutting-into-half section] is divided into two parts in the thickness direction in the part under flange-like section 4c between 2. That is, it was divided, while is the surface part of the pasteboard 2 pasted up on flange-like section 4c. Another side is a part which peels from the surface part concerned and separates from flange-like section 4c. In this case, since the cutting-into-half section of 2f2 inside flange-like section 4c is prepared, removal of opening section 2c can be performed easily, and the opening activity of the cell package 1 is done an easy thing. In addition, 4h of 2f [of 1st and 2nd cutting-into-half section] 1 or 2f of notches as shown in drawing 8 may be

prepared in flange-like section 4c among 2.

[0041]

[Effect of the Invention] According to the goods package of this invention, the package section was constituted from an article which carried out the shrink package, and the package section is held in the supporter. For this reason, most hold of an article is automated and it is made an easy thing. Moreover, since the shrink package of the article is carried out, also after holding an article in a goods package, disadvantage is not produced in a check by looking of the class of article, grade, a manufacturer name, etc., without an article rotating.

[0042] Furthermore, since according to the goods package of other invention the face side of an article is arranged in the predetermined direction in case a shrink package is performed, a customer can always check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0043] Furthermore, according to the goods package of other invention, since two or more package sections are held by the supporter, the article which is not used will be in a condition [being packed in the package section], and can be recognized to be easily intact, and does not cause deterioration of the quality of the article concerned.

[0044] Furthermore, according to the goods package of other invention, since the window part is prepared in the impression, the area of a wrap impression can be reduced for the periphery part of an article, and a customer can check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0045] Furthermore, a window part can be enlarged, improving the reinforcement of an impression according to the goods package of other invention, since the clinch section is prepared in the periphery of a window part.

[0046] Furthermore, since the window part formed the shape of a rectangle and in the shape of an ellipse is prepared in the impression according to the goods package of other invention, the area of a wrap impression can be reduced for the periphery part of an article, and a customer can always check the class of article, grade, a manufacturer name, etc. by looking clearly.

[0047] Furthermore, since according to the goods package of other invention it is prepared in an impression and the flange-like section so that the separation section may connect between the edge of the flange-like section, and window parts, the package section which packed the article can be taken out easily.

[0048] Furthermore, according to the goods package of other invention, the perforation of two articles sets predetermined spacing mutually toward an other end edge from the end edge of pasteboard, it is prepared in pasteboard, and the notch of the form which carries out opening toward the end edge of pasteboard is further prepared in the flange-like section between the perforations of two articles. For this reason, a perforation can be torn apart only by applying the force to a notch and the pasteboard which counters, and the opening activity of a goods package is done an easy thing.

[0049] Furthermore, according to the goods package of other invention, the perforation of two articles sets predetermined spacing mutually toward an other end edge from the end edge of pasteboard, it is prepared in pasteboard, and the cutting-into-half section for notching of the form which carries out opening toward the end edge of pasteboard is further prepared in the flange-like section between the perforations of two articles. For this reason, a perforation can be torn apart only by applying the force to the cutting-into-half section for notching and the cutting-into-half section concerned, and the pasteboard that counters, and the opening activity of a goods package is done an easy thing.

[0050] Furthermore, according to the goods package of other invention, the perforation of two articles sets predetermined spacing mutually toward an other end edge from the end edge of pasteboard, it is prepared in pasteboard, and the notch of the shape of a perforation of the form which carries out opening toward the end edge of pasteboard is further prepared in the flange-like section between the perforations of two articles. For this reason, a perforation can be torn apart only by applying the force to a perforation-like notch and the notch concerned, and the pasteboard that counters, and the opening activity of a goods package is done an easy thing.

[0051] Furthermore, according to the goods package of other invention, the perforation of two articles

set predetermined spacing mutually toward the other end edge from the end edge of pasteboard, was prepared in pasteboard, and has pasted up pasteboard and the flange-like section in the field of the outside of the perforation of two articles further. For this reason, a perforation can be torn apart only by applying the force to the pasteboard inside the perforation of two articles, and the opening activity of a goods package is done an easy thing.

[0052] Furthermore, according to the goods package of other invention, the perforation of two articles sets predetermined spacing mutually toward an other end edge from the end edge of pasteboard, is prepared in pasteboard, and constitutes spacing of the perforation of two articles from aperture width of opening of an impression small further. For this reason, after opening a goods package by cutting off pasteboard along with a perforation, an article can be kept between an impression and the handle part of the pasteboard cut off partially.

[0053] Furthermore, according to the goods package of other invention, the perforation of two articles sets predetermined spacing mutually toward an other end edge from the end edge of pasteboard, and it is prepared in pasteboard, and further, at least two cutting-into-half sections are prepared in pasteboard between the end edge of pasteboard, and the other end edge of pasteboard so that the perforation of two articles may be connected. In case pasteboard is cut off along with a perforation, the pasteboard cut off is divided into two parts in that thickness direction by this in the part under the flange-like section between at least two cutting-into-half sections. For this reason, pasteboard can be cut off easily and the opening activity of a cell package is done an easy thing.

[0054] Furthermore, according to the goods package of other invention, one side of at least two cutting-into-half sections is prepared between the end edge of pasteboard, and the flange-like section, and another side of at least two cutting-into-half sections is prepared inside the flange-like section. In case pasteboard is cut off along with a perforation, the pasteboard cut off is divided into two parts in that thickness direction by this in the part under the flange-like section between at least two cutting-into-half sections. Under the present circumstances, the pasteboard cut off can be easily divided into two parts by the cutting-into-half section inside the flange-like section. Consequently, pasteboard can be cut off still more easily and the opening activity of a cell package is done an easy thing.

[0055] According to the manufacture approach of the goods package of this invention, in case an impression is formed, a radii-like break is formed in a synthetic-resin sheet with a radii-like cutting edge. By preparing the break of the shape of such radii, an opening activity can form an easy goods package.

[Translation done.]

* NOTICES *

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CLAIMS

[Claim(s)]

[Claim 1] The goods package characterized by providing the supporter which consists of transparent members substantially with pasteboard, has the package section which carried out the shrink package of the article, the impression in which said package section is held, and the flange-like section pasted up on said pasteboard, and holds said package section between said pasteboard.

[Claim 2] The goods package according to claim 1 characterized by arranging and carrying out the shrink package of the face side of said article in the predetermined direction in said package section.

[Claim 3] The goods package according to claim 1 characterized by holding said two or more package sections to said supporter.

[Claim 4] The goods package according to claim 1 characterized by preparing a window part in said impression.

[Claim 5] The goods package according to claim 4 characterized by preparing the clinch section which goes to a way among said impressions in the periphery of said window part.

[Claim 6] The goods package according to claim 4 characterized by forming said window part the shape of a rectangle, and in the shape of an ellipse.

[Claim 7] The goods package according to claim 4 characterized by having separated from said impression in said flange-like section, and preparing the section so that between the edge of said jointing and said window parts may be connected.

[Claim 8] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter it is prepared in said end edge of said pasteboard in said flange-like section between said perforations of two articles, and the notch of the form which carries out opening toward said end edge of said pasteboard prepares -- having -- ***** -- the goods package characterized by things.

[Claim 9] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter it is prepared in said end edge of said pasteboard in said flange-like section between said perforations of two articles, and the cutting-into-half section for notching of the form which carries out opening toward said end edge prepares -- having -- ***** -- the goods package characterized by things.

[Claim 10] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared. To said supporter it is prepared in said end edge of said pasteboard in said flange-like section between said perforations of two articles, and the notch of the shape of a perforation of the form which carries out opening toward said

end edge prepares -- having -- ***** -- the goods package characterized by things.

[Claim 11] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The goods package characterized by having prepared the perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard, and pasting up said pasteboard and said flange-like section in the field of the outside of said perforation of two articles.

[Claim 12] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard The goods package which the perforation of two articles which set predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard is prepared, and is characterized by spacing of said perforation of two articles being smaller than the aperture width of said opening.

[Claim 13] It has pasteboard, the impression in which an article is held, and the flange-like section pasted up on said pasteboard, and has the supporter which holds said article between said pasteboard. On said pasteboard So that the perforation of two articles which kept predetermined spacing mutually toward the other end edge from the end edge, and was formed in said pasteboard may be prepared and at least two cutting-into-half sections may connect said perforation of two articles it prepares in said pasteboard between the end edge of said pasteboard, and the other end edge of said pasteboard -- having -- ***** -- the goods package characterized by things.

[Claim 14] The goods package according to claim 13 characterized by preparing one side of said at least two cutting-into-half sections between the end edge of said pasteboard, and said flange-like section, and preparing another side of said at least two cutting-into-half sections inside said flange-like section.

[Claim 15] The supporter made of synthetic resin fabricated so that it might have the flange-like section for adhesion which it is prepared in the surroundings of opening of the impression in which pasteboard and an article are held, and said impression, and is pasted up on said pasteboard While being the manufacture approach of the goods package mutually pasted up in said flange-like section and forming said impression by pressing and heating metal mold on a synthetic-resin sheet The manufacture approach of the goods package characterized by providing the process which penetrates said synthetic-resin sheet with the cutting edge of the shape of radii prepared in said metal mold, and forms a radii-like break in said synthetic-resin sheet.

[Translation done.]